

## **WATER DATA SUMMARY 6/19/10**

### **Region 6:**

- A total of 478 water samples have been collected to date (157 at Chalmette, 75 at Grand Isle, 221 at Venice, and 25 at Western Push). The first samples were collected 4/30/10. Samples have been analyzed by Gulf Coast Analytical and Accutest (R6 START labs).
- 416 of the 478 samples are loaded into Scribe with final (validated) results.
- 12 of the 478 samples are loaded into Scribe with preliminary results.
- 50 of the 478 samples do not have results available in Scribe.
- Requested parameters include:  
Volatiles by SW846 8260  
Semivolatiles by SW846 8270  
Polynuclear Aromatic Hydrocarbons by SW846 8270 SIM  
Metals by SW846 6010/7470  
Total Petroleum Hydrocarbons (Gasoline, Diesel, and Oil Range Organics) by SW846 8015  
Total Organic Carbon  
Oil and Grease

### **Analytical Issues Being Confronted:**

Due to the high salt content of the samples and matrix interference, the laboratory is often required to re-run the samples to confirm the reported results. Any time that re-runs are required, the laboratory Level 2 deliverable is delayed by one day. Which consequently delays the upload of final data to Scribe.

### **Cost per Sample**

**\$1170** VOCs (\$140), SVOCs (\$300), PAH by SIM (\$160), metals (\$230), TPH (\$150), TOC (\$100), and O&G (\$90) for results reported on Tuesday thru Friday.

**\$1755** VOCs (\$210), SVOCs (\$450), PAH by SIM (\$240), metals (\$345), TPH (\$225), TOC (\$150), and O&G (\$135) for results reported Saturday thru Monday

**\$475** For 3 of 5 dispersants on water samples.

### **Results and Early Conclusions**

- A total of 10 samples collected on May 20 and 25 exceeded the screening levels for di-n-butyl phthalate.
- One sample collected on May 25 and two samples collected on May 31 exceeded the screening levels for pyrene.
- EPA's analysis of surface water along the Gulf coast found elevated levels of nickel above benchmark levels for aquatic life in samples collected on June 11-13, 2010. This might affect fish and shellfish exposed for an extended period.
- Surface water results collected on May 22 and 23, 2010 at 10 stations along the coast of Louisiana were measured for two of the chemicals associated with dispersants (2-Butoxyethanol and 2-Ethylhexyl Alcohol) but did not detect either one.